

NEW NORTH AMERICAN BUTTERFLIES.

BY GEORGE A. EHRMANN, Pittsburgh, Pa.

Papilio ehrmanni n. ab.

Male: forewings submarginal row of yellow spots are almost obliterated, marginal band of spots very minute. Hindwings discal band almost wanting and what is left of it is heavily shaded with black scales. Underside normal, but the fulvus spots are greatly reduced.

This form of *P. asterias* is very interesting and is the very counterpart of *P. melasina* R. & J. from South America of which I have specimens in my cabinet. *P. melasina* is an aberrant form of *P. americanus* Koll. while *P. ehrmanni* is an aberrant form of *P. asterias* Fabr., thus showing this wonderful study of divergence and convergence in the two extreme forms. Captured 5/15, Hammett Place, Alleghany Co., Pa., by Al. J. Ehrmann.

Eurema biedermaanni n. sp.

Male: allied to *E. mexicana* Bois. and *E. boisduvaliana* Feld. group. Antennae pink with the knobs brown. Head fulvous, thorax and dorsal part of abdomen black. Lateral underside of abdomen and underside of thorax yellow. Ground color of forewings from the base to a little beyond the discal cell cream, outer part shading black along the inner margin but not so far as it does in the above two mentioned species and on the outer end of this yellow extension there is a yellow triangular spot. Base and costa slightly dusted with black. Hindwings from the costa to below discal cell lemon color, from lowerside of the discal cell cream color, outer black margin beginning from the apex and extending to the sharp point of subanal angle. This black margin on the inner side is pointed towards the discal cell. Fringes on both pairs of wings whitish. Underside of forewings pale yellow, shaded on the base and apex with a beautiful tint of lemon, and very faint black discal spot. Underside of hindwings ground color dark lemon almost orange. It is not dusted with pinkish scales as it is in both those compared species. There is a small pinkish spot on the costa near the apex and a subdiscal bar. Also a spot near the abdominal margin and two smaller spots below the bar. These are all of the same color as the costal spot. Fringes white shaded with pink. Exp. 2 in.

Type: Male, Palmerlees, Arizona, Aug. 3, 1909; in Coll. Ehrmann.